

## Photo Submittal for 2012 APWA Public Works Project of the Year









#### Challenges From The Original 1960s Park and Farm Pond



- Site erosion and drainage complaints
- Changing recreation demands
- Park paths were not ADA-compliant



- No stormwater management for upstream area
- Pond level dropped during summer droughts
- Goose population degraded water quality and eroded banks
- Dam leaked and was compromised by tree roots





#### **Pond Construction**













**Dam Liner Installation** 

**Pond Structures** 

Forebay Pavers and Riser, Low Flow Pipe & Pond



#### **Park Construction and Features**













Overlook Decks

Wall and Pedestrian Bridge

Other Amenities



#### **Construction Considerations**

- Erosion and sediment control
- Tree preservation
- Pedestrian safety
- **Future Pond Maintenance Access**









#### **Evolution of a Park**











Stream Restoration: Installed 500 linear feet of stream restoration using bioengineering techniques of natural stone placement, bank reshaping and native plantings





Construction



3 Months After Completion – Storm Flow



Education and Outreach: Interpretive signs were installed on the pond's overlook decks





#### **Pond Performance**

The new SWM pond during a large storm. It safely manages the diverted runoff without inundating the park decks, plaza or bridge. The fountain rises and falls with fluctuating pond levels.









**The New Stormwater Pond:** Gained full water quality control and downstream channel erosion protection for the 79-acre drainage area



Water enters pond's forebay from a storm drain flow splitter



Extensive wetland plantings were protected by goose netting for first year after planting.



#### The New Park



2,400 native wetland plants were installed in the pond









Pond fountain aerates the water and limits mosquitoes Goose netting protection





#### Park/Pond Concept Plan - 2006

